

Date: Tuesday, 5/16/2006 10:36:12 AM
 User: Kim Johnston

Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: 0H-58 SKIDTUBE ASSEMBLY
Job Number	: 27135A		
Estimate Number	: 10475		
P.O. Number	: N/A	Part Number	: D058672041
This Issue	: 5/16/2006 S.O. No. : N/A	Drawing Number	: D2922 REV A1
Prsht Rev.	: NC	Project Number	: N/A
First Issue	: N/A Type : LANDING GEAR	Drawing Revision	: A1
Previous Run	: 25814A	Material	: N/A
Written By	: <i>See Comment Below</i>	Due Date	: 6/10/2006
Checked & Approved By	: <i>06-05-16</i>	Qty:	1 Um: Each
Comment	: Est Rev: 0 02.06.28 Re-format; ECN 258 KJ Est Rev: D 06.02.06 Added Dt8025 EC		

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	D2620	Bent 206 Skidtube
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Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Pick:

Qty Part Number Description Batch

1 D2620

Bent Tube 3" OD

B26863 Pm' 06-05-19 ①

2.0	LANDING GEAR 1	LANDING GEAR RESOURCE 1
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Comment: LANDING GEAR RESOURCE 1

1-Deburr Fwd edge of tube

Pm' 06-05-19 ①

2-Cut aft end of D2620 bent tube as per dwg D2922

Pm' 06-05-19 ①

3-Drill pilot holes using drill jig DT8480 and DT8025 open to 0.312" dia.

Pm' 06-05-19 ①

4-Drill holes for wearplates using DT 8487 Open to 0.297" dia.

Pm' 06-05-23 ①

5-Drill holes for aft cap as per Dwg D2922 using drill jig DT 8025. Open using #6 Drill Bit

Pm' 06-05-23 ①

7-Remove inner indexing ridge on aft end of skidtube as per Dwg D2922

Pm' 06-05-23 ①

8-Deburr and Blow out all chips form inside the tube

Pm' 06-05-23 ①

9-Weld D2794 cap as per QSI 004 and Dwg D2922. Use aluminum rod.

A/R Aluminum Rod

m18839/m19101 BE 06-05-25 ①

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Design Mgr	Approval QC Inspector
			Initial Design Mgr	Action Description Design Mgr	Sign & Date			

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Part Number: D058672041

Job Number:



Seq. #:

Machine Or Operation:

Description :

3.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1

Pm 06-05-25

4.0

D2923

Web



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Pick:

Qty Part Number Description Batch

1 D2923 Web

B27146

Pm 06-05-29

5.0

LANDING GEAR 1

LANDING GEAR RESOURCE 1



Comment: LANDING GEAR RESOURCE 1

1-Open holes to finished size as per Dwg D2922(without cutting fluid)

Pm 06-05-29

2-Countersink crossbolt spacer holes as per Dwg D2922(without cutting fluid)

Pm 06-05-29

3-Deburr and Blow out all chips from inside the tube

Pm 06-05-29

4-Bond D2923 web in place as per QSI 015. Ensure holes lineup

A/R Sikaflex-291

M00901

Sikaflex expire date: *06-11-01*

Pm 06-05-29

6.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

DP 06-5-29

7.0

D2794

Cap



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Qty

Part Number Description

1 D2794 Fwd Cap

Batch

B14400 AE 06-05-25

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& initial all entries

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Job Number: 27135A

Part Number: D058672041

Job Number:



Seq. #:	Machine Or Operation:	Description :
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8.0	D2649	Crossbolt Spacer
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Comment: Qty.: 22.0000 Each(s)/Unit Total: 22.0000 Each(s)

Pick:

Qty Part Number Description Batch

22 D2649 Crossbolt spacer *B25864 BE 06-05-30 (1)*

9.0	LANDING GEAR 1	LANDING GEAR RESOURCE 1
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Comment: LANDING GEAR RESOURCE 1

1-Weld D2649 cross bolt spacers as per QSI 004 and Dwg D2922.(Remember to back drill each hole to 0.250" before welding the other side)

A/R Aluminum Rod

m18839 BE 06-05-30 (1)

3-Grind welds flush as per Dwg D2922

4-Counterbore 5/16" x 0.750" deep as per Dwg D2922

DP06-5-31

10.0	QC5/9	WELD INSPECTION
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PD 06-06-05

Comment: WELD INSPECTION

11.0	POWDER COATING	POWDER COATING
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Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

SC 06/07/06 (1)

12.0	QC3	INSPECT POWDER COAT/CHEMICAL CONVERSION
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Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

1 a.m. 06-07-07 (1)

13.0	D26483	Wearpad
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Comment: Qty.: 5.0000 Each(s)/Unit Total: 5.0000 Each(s)

Pick:

Qty Part Number Description Batch

5 D2648-3 Wearpad *B25809*

a.m. 06-07-07 (1)

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Job Number:



Seq. #:

Machine Or Operation:

Description :

14.0

D265615

Wearplate



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Pick:

Qty Part Number Description Batch

1 D2656-15 Wearshoe 024845

15.0

D265621

Wearplate



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Pick:

Qty Part Number Description Batch

1 D2656-21 Wearshoe 020912

16.0

D2924

Wearshoe



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Pick:

Qty Part Number Description Batch

1 D2924 Wearshoe 022595

17.0

MS27039108

Screw



Comment: Qty.: 50.0000 Each(s)/Unit Total : 50.0000 Each(s)

Pick:

Qty Part Number Description Batch

50 MS27039-1-08 Screw m19551

18.0

AN960JD10L

Washer



Comment: Qty.: 50.0000 Each(s)/Unit Total : 50.0000 Each(s)

Pick:

Qty Part Number Description Batch

50 AN960JD10L Washer m10291

A.m 06-07-02

(1)

W/O:		WORK ORDER CHANGES					
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Job Number: 27135A

Part Number: D058672041

Job Number:



Seq. #:

Machine Or Operation:

Description :

19.0

ALS41032130

Insert



Comment: Qty.: 5.0000 Each(s)/Unit Total : 5.0000 Each(s)

Pick:

Qty Part Number Description Batch
50 ALS4-1032-130 Insert m18293
or (see QSI 017)

20.0

D26511

Plug



Comment: Qty.: 20.0000 Each(s)/Unit Total : 20.0000 Each(s)

Pick:

Qty Part Number Description Batch
20 D2651-1 Plugs B25144

21.0

D26513

O-Ring



Comment: Qty.: 20.0000 Each(s)/Unit Total : 20.0000 Each(s)

Pick:

Qty Part Number Description Batch
20 D2651-3 O-Rings B23491

22.0

D2646

Aft Cap



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Pick:

Qty Part Number Description Batch
1 D2646 Aft Cap B25381

23.0

MS27039108

Screw



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Pick:

Qty Part Number Description Batch
2 MS27039-1-08 Screw m14551 a.m. 06-07-07 D

W/O:		WORK ORDER CHANGES					
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes ☐ No ☒ DQA: 12 Date: 06/07/12

NOTE: Date & initial all entries

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Job Number: 27135A

Part Number: D058672041

Job Number:



Seq. #:

Machine Or Operation:

Description :

24.0

AN960JD10L

Washer



Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s)

Pick:

Qty Part Number Description Batch

2 AN960JD10L Washer m101291

25.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

1-Install inserts & wearpads as per dwg D2922. Insert a drop of Sikaflex at insert hole before installing wearplates.

A/R Sikaflex-291 m101193

Sikaflex expire date: 06-11-06

2-Install O-Rings D2651-3 on plugs D2651-1 with Petroleum Jelly and install plugs as per Dwg D2922

3-Install D2646 Aft Cap and seal with Sikaflex adhesive. Clean excess adhesive

A/R Sikaflex-291 m101193

Sikaflex expire date: 06-11-06

G. m 06-07-07 (1)

3- Wing Walk as per Dwg D2922 and QSI 005 4.4

m101266

Batch: FC 060710 (1)

26.0

QC3/5

INSPECT WORK/WING WALK



Comment: INSPECT WORK/WING WALK

DL 06/07/11 (1)

27.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: /

NA 06/07/11

28.0

DC

DOCUMENT CONTROL



Comment: DOCUMENT CONTROL

Inspection Level 21

06/07/12 (1)

Job Completion



W 06.07.11

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QA: N/C Closed: _____ Date: _____



DESIGN RF	DRAWN BY RF	DART AEROSPACE USA, INC. BELLEVUE, WA	
CHECKED [Signature]	APPROVED [Signature]	DRAWING NO. D2922	REV. A SHEET 1 OF 2
DATE 99.10.14		TITLE OH-58 SKIDTUBE ASSEMBLY	SCALE NTS
A	99.10.14	NEW ISSUE	
A1	IP 01.08.20	Ø0.640 WAS Ø0.625	

RELEASED
00.05.11 #

Qty	Part Number	Description
X	D2922-041	SKIDTUBE ASSEMBLY
*	D2600-1	EXTRUSION
1	D2646	AFT CAP
4	D2648-3	WEARPAD
1	D2648-5	WEARPAD
22	D2649	CROSS BOLT SPACER
20	D2651-1	PLUG
20	D2651-3	O-RING
1	D2656-15	WEARSHOE
1	D2656-21	WEARSHOE
1	D2794	CAP
1	D2923	WEB
1	D2924	WEARSHOE
50	AKS7-1032-130 or AKS4-1032-130 or ALS7-1032-130 or ALS4-1032-130	INSERT
52	AN960JD10L	WASHER
52	MS27039-1-08	SCREW

GENERAL NOTES:

- 1) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 2) LENGTH OF D2600-1 EXTRUSION REQUIRED BEFORE BENDING = 160 INCHES.*
- 3) INSERT D2923 WEB TO LOCATION SHOWN OFF AFT END OF SKIDTUBE AND BOND WEB INTO OUTER TUBE WITH NON-STRUCTURAL SIKAFLEX-241/291 ADHESIVE PER DART QSI 015 AFTER BENDING.
- 4) USE DART DRILL TEMPLATE DT8406 TO LOCATE AND DRILL Ø0.297 HOLES FOR WEARSHOE INSERTS. INSTALL AKS7-1032-130 PER SECTION D-D (50 PLACES) AFTER FINISH. INSTALL MS27039-1-08 SCREWS AND AN960JD10L WASHERS IN ALL INSERTS. SEAL WITH SIKAFLEX-241/291.
- 5) WELDING TO BE DONE PER DART QSI 004.
- 6) FINISH:
ACID ETCH, ALODINE PER DART QSI 005 4.1 PRIOR TO INSERTING D2923 WEB
POWDER COAT ASSEMBLY GLOSS WHITE (REF 4.3.5.1) PER DART QSI 005 4.3
BLACK ANTI-SKID PAINT AS INDICATED TO 0.50 ABOVE LOCATION RIDGE PER DART QSI 005 4.4
- 7) INSERT D2651-1 PLUG C/W D2651-3 O-RING IN HOLES MARKED 'P' (BOTH SIDES OF TUBE) AFTER FINISH (20 PLACES).

SHOP COPY
RETURN TO
ENGINEERING
CONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 27135A

